AUTODOC CLUB

How to change front ABS sensor on **BMW E39 touring** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
BMW 5 Saloon (E39) 520i 2.0, BMW 5 Saloon (E39) 525tds 2.5, BMW 5 Saloon (E39) 523i 2.5, BMW 5 Saloon (E39) 528i 2.8, BMW 5 Saloon (E39) 540i 4.4, BMW 5 Saloon (E39) 535i 3.5, BMW 5 Touring (E39) 520i 2.0, BMW 5 Touring (E39) 523i 2.5, BMW 5 Touring (E39) 540i 4.4, BMW 5 Saloon (E39) 525td 2.5, BMW 5 Touring (E39) 528i 2.8, BMW 5 Saloon (E39) 530d 3.0, BMW 5 Touring (E39) 530d 3.0, BMW 5 Touring (E39) 525tds 2.5, BMW 5 Saloon (E39) 520d 2.0, (+ 9)

The steps may slightly vary depending on the car design.

REPLACEMENT: ABS SENSOR – BMW E39 TOURING. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Multipurpose grease
- Torque wrench
- Drive socket # 10
- Wheel impact socket #17
- Ratchet wrench
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: ABS sensor – BMW E39 touring. AUTODOC experts recommend:

- All work should be done with the engine stopped.

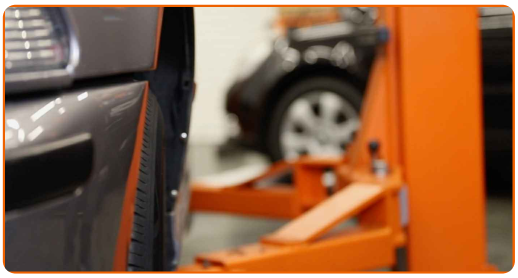
REPLACEMENT: ABS SENSOR – BMW E39 TOURING. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.



4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. BMW E39 touring

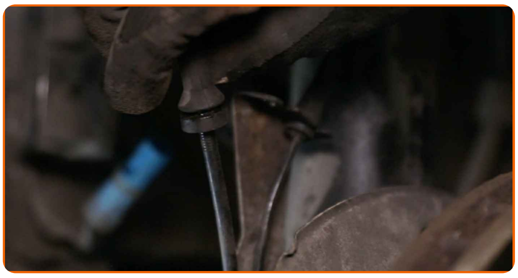
5 Remove the wheel.



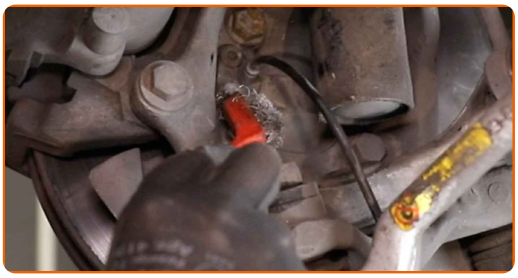
6 Detach the ABS sensor connector.



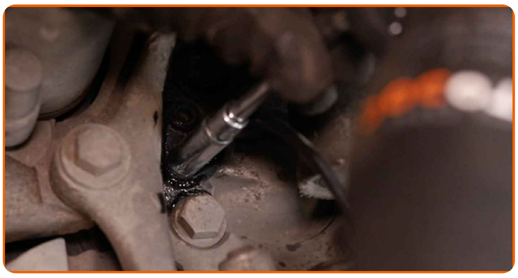
7 Disconnect the ABS sensor wiring.



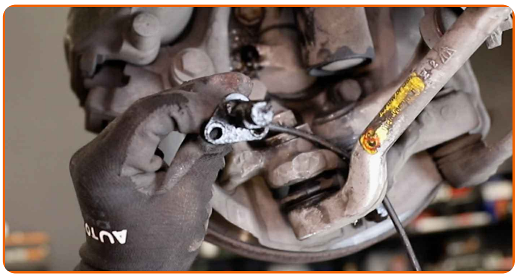
8 Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.



9 Unscrew the ABS sensor fastener. Use a drive socket #10. Use a ratchet wrench.



10 Disconnect the ABS sensor. Use a crowbar.



11 Clean the ABS sensor mounting seat. Use a wire brush. Use WD-40 spray.



12 Treat the ABS sensor fastener. Use a multipurpose grease. Use a crowbar.



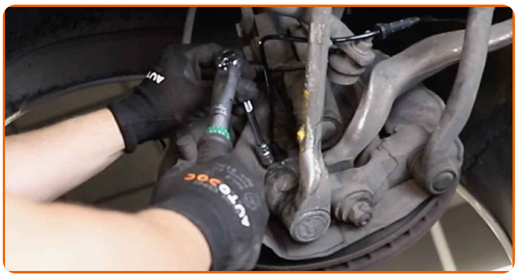
13

Connect the ABS sensor.



14

Tighten the fastener that connects the ABS sensor to the steering knuckle. Use a drive socket #10. Use a torque wrench. Tighten it to 7 Nm torque.



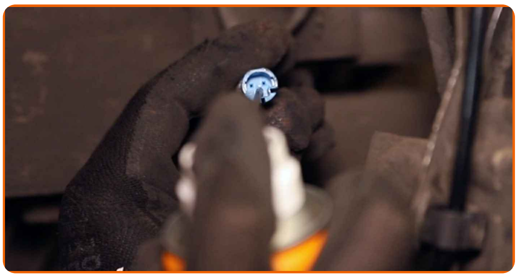
15

Connect the ABS sensor wiring.



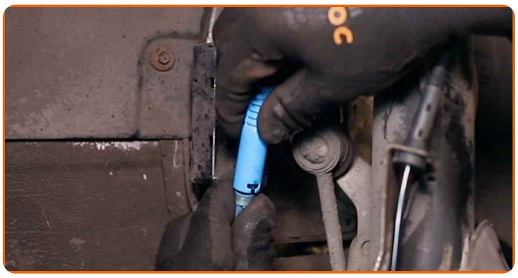
16

Treat the ABS sensor connector. Use dielectric grease.

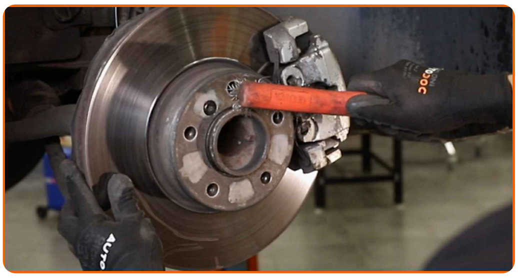


17

Attach the ABS sensor connector.



18 Clean the wheel rim mounting seat. Use a wire brush.



19 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



20 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: ABS sensor – BMW E39 touring. After applying the spray, wait a few minutes.

21 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW E39 touring

22 Screw in the wheel bolts. Use wheel impact socket #17.



23 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



24 Remove the jacks and chocks.

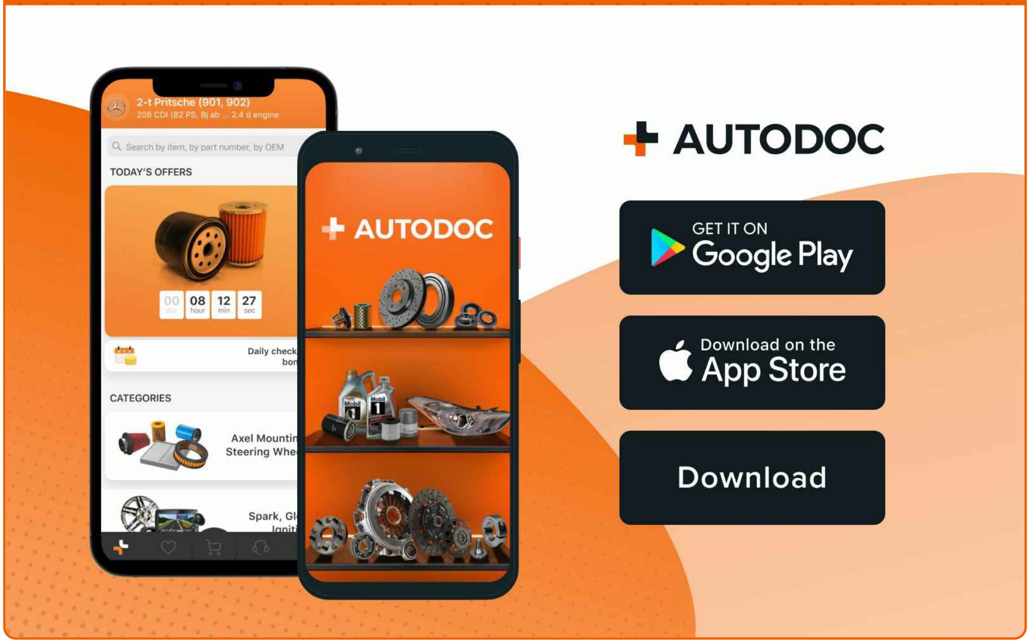


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